



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
WASHINGTON, DC 20555 - 0001

September 15, 2004

SCHEDULE AND OUTLINE FOR DISCUSSION  
516<sup>th</sup> ACRS MEETING  
OCTOBER 7-9, 2004

THURSDAY, OCTOBER 7, 2004, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH,  
ROCKVILLE, MARYLAND

- 1) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (MVB/JTL/SD)
  - 1.1) Opening Statement
  - 1.2) Items of current interest
  
- 2) 8:35 - 10:45 A.M. Safety Evaluation of the Industry Guidelines Related to Pressurized Water Reactor (PWR) Sump Performance (Open) (GBW/RC)
  - 2.1) Remarks by the Subcommittee Chairman
  - 2.2) Briefing by and discussions with representatives of the NRC staff and the Nuclear Energy Institute regarding the staff's evaluation of the industry guidelines associated with the resolution of Generic Safety Issue (GSI)-191, "Potential Impact of Debris Blockage on Emergency Recirculation During Design-Basis Accidents at PWRs," and related matters.

**10:45 - 11:00 A.M. \*\*\*BREAK\*\*\***

- 3) 11:00 - 12:30 P.M. Pre-Application Safety Assessment Report for the Advanced CANDU 700 (ACR-700) Design (Open) (TSK/MME)
  - 3.1) Remarks by the Subcommittee Chairman
  - 3.2) Briefing by and discussions with representatives of the NRC staff regarding the staff's Safety Assessment Report related to the pre-application review of the ACR-700 design and related matters.

Representatives of the Atomic Energy of Canada Ltd. may provide their views, as appropriate.

**12:30 - 1:30 P.M. \*\*\*LUNCH\*\*\***

- 4) 1:30 - 3:00 P.M. Proposed Recommendations for Resolving GSI-185, "Control of Recriticality Following Small-Break LOCAs in PWRs" (Open) (VHR/RC/MRS)
  - 4.1) Remarks by the Subcommittee Chairman
  - 4.2) Briefing by and discussions with representatives of the NRC staff and its contractors regarding the proposed recommendations for resolving GSI-185.

Representatives of the nuclear industry may provide their views, as appropriate.

**3:00 - 3:15 P.M. \*\*\*BREAK\*\*\***

- 5) 3:15 - 4:45 P.M. Mitigating System Performance Index Program (Open) (JDS/MWW)
- 5.1) Remarks by the ACRS Chairman
  - 5.2) Briefing by and discussions with representatives of the NRC staff regarding the Mitigating System Performance Index Program.

Representatives of the nuclear industry may provide their views, as appropriate.

**4:45 - 5:00 P.M. \*\*\*BREAK\*\*\***

- 6) 5:00 - 7:00 P.M. Preparation of ACRS Reports (Open)  
Discussion of proposed ACRS reports on:
- 6.1) Pre-Application Safety Assessment Report for the ACR-700 Design (TSK/MME)
  - 6.2) Safety Evaluation of the Industry Guidelines Related to PWR Sump Performance (GBW/RC)
  - 6.3) Proposed Recommendations for Resolving GSI-185 (VHR/RC/MRS)
  - 6.4) Mitigating System Performance Index Program (JDS/MWW)
  - 6.5) Response to the August 25, 2004 EDO Response to the May 21, 2004 ACRS Letter on Resolution of Certain Items Identified by the ACRS in NUREG-1740, "Voltage-Based Alternative Repair Criteria" (GBW/FPF/CS)

**FRIDAY, OCTOBER 8, 2004, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 7) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (MVB/JTL/SD)
- 8) 8:35 - 10:00 A.M. Technology Neutral Framework for Future Plant Licensing (Open) (TSK/MME)
- 8.1) Remarks by the Subcommittee Chairman
  - 8.2) Briefing by and discussions with representatives of the NRC staff regarding the technology neutral framework for licensing of future plant designs.

Representatives of the nuclear industry may provide their views, as appropriate.

**10:00 - 10:15 A.M. \*\*\*BREAK\*\*\***

- 9) 10:15 - 11:30 A.M. Assessment of the Quality of the NRC Research Projects (Open) (DAP/SLR/TSK/RC/HPN)
- 9.1) Remarks by the Subcommittee Chairman
  - 9.2) Discussion of the preliminary results of the cognizant ACRS members' assessment of the research projects on Sump Blockage and on MACCS code.

- 10) 11:30 - 12:15 P.M. Divergence in Regulatory Approaches and Requirements Between U.S. and Other Countries (Open) (DAP/HPN/SD)
- 10.1) Remarks by the Subcommittee Chairman
  - 10.2) Discussion of the draft Final White Paper prepared by Dr. Nourbakhsh, ACRS Senior Staff Engineer, regarding divergence in regulatory approaches and requirements between U.S. and other countries.

**12:15 - 1:15 P.M. \*\*\*LUNCH\*\*\***

- 11) 1:15 - 2:15 P.M. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (MVB/JTL/SD)
- 11.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future ACRS meetings.
  - 11.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.
- 12) 2:15 - 2:30 P.M. Reconciliation of ACRS Comments and Recommendations (Open) (MVB, et al./SD, et al.)  
Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.

**2:30 - 2:45 P.M. \*\*\*BREAK\*\*\***

- 13) 2:45 - 7:00 P.M. Preparation of ACRS Reports (Open)  
Discussion of the proposed ACRS reports on:
- 13.1) Pre-Application Safety Assessment Report for the ACR-700 Design (TSK/MME)
  - 13.2) Safety Evaluation of the Industry Guidelines Related to PWR Sump Performance (GBW/RC)
  - 13.3) Proposed Recommendations for Resolving GSI-185 (VHR/RC/MRS)
  - 13.4) Mitigating System Performance Index Program (JDS/MWW)
  - 13.5) Response to the August 25, 2004 EDO Response to the May 21, 2004 ACRS Letter on Resolution of Certain Items Identified by the ACRS in NUREG-1740, "Voltage-Based Alternative Repair Criteria" (GBW/FPF/CS)
  - 13.6) Divergence in Regulatory Approaches and Requirements Between U.S. and Other Countries (DAP/HPN/SD)

SATURDAY, OCTOBER 9, 2004, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

14) 8:30 - 2:00 P.M. Preparation of ACRS Reports (Open)  
(12:00-1:00 P.M. - LUNCH) **Continue discussion of proposed ACRS reports listed under Item 13.**

15) 2:00 - 2:30 P.M. Miscellaneous (Open) (MVB/JTL)  
Discussion of matters related to the conduct of Committee activities and matters and specific issues that were not completed during previous meetings, as time and availability of information permit.

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**NOTE:**

- **Presentation time should not exceed 50 percent of the total time allocated for a specific item. The remaining 50 percent of the time is reserved for discussion.**
- **Thirty-Five (35) hard copies and (1) electronic copy of the presentation materials should be provided to the ACRS.**